

02/12/02
1-812 U.S. PTO

02-14-02

A

Please type a plus sign (+) inside this box [+]

Approved for use through 09/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No.	4695-00009	Total Pages	15+
		First Named Inventor or Application Identifier			
		Z. Gerald Liu			
		Express Mail Label No.	EL812732424US		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents		ADDRESS TO: Commissioner for Patents Box Patent Application Washington, D.C. 20231			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)		6. <input type="checkbox"/> Microfiche Computer Program (Appendix)			
2. <input checked="" type="checkbox"/> Specification [Total Pages 50] (preferred arrangement set forth below) <ul style="list-style-type: none"> - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 		7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identify of above copies 			
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets 11] 3		ACCOMPANYING APPLICATION PARTS			
4. Oath or Declaration [Total Pages 3] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) <div style="text-align: center;">[Note Box 5 below]</div> i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))			
5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)			
		10. <input type="checkbox"/> English Translation Document (if applicable)			
		11. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations			
		12. <input type="checkbox"/> Preliminary Amendment			
		13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
		14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Status still proper and desired			
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)			
		16. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u> <u>Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)</u>			
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: /					
18. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label		<div style="border: 1px solid black; padding: 5px; text-align: center;"> Insert Customer No. or Attach bar code label here </div>		or <input checked="" type="checkbox"/> Correspondence address below.	
NAME	Michael E. Taken (Reg. No. 28,120)				
	ANDRUS, SCEALES, STARKE & SAWALL, LLP				
ADDRESS	100 East Wisconsin Avenue				
	Suite 1100				
CITY	Milwaukee	STATE	Wisconsin	ZIP CODE	53202-4178
COUNTRY	U.S.A.	TELEPHONE	(414) 271-7590	FAX	(414) 271-5770

CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on the 12th day of February, 2002. The Express Label is EL812732424US.

Jo Ann Kuczynski
Jo Ann Kuczynski

2-12-02
Date

PTO/SB/17 (8/96) <div style="text-align: center;">FEE TRANSMITTAL</div>		COMPLETE IF KNOWN																																																																																																																																																																													
		Application Number																																																																																																																																																																													
		Filing Date																																																																																																																																																																													
		First Named Inventor Z. Gerald Liu																																																																																																																																																																													
		Group Art Unit																																																																																																																																																																													
		Examiner Name																																																																																																																																																																													
Total Amount of Payment (\$)		Attorney Docket Number																																																																																																																																																																													
(\$ 2,084.00)		4695-00009																																																																																																																																																																													
METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																													
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number 01.2000 Deposit Account Name ANDRUS, SCEALES, STARKE & SAWALL, LLP <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		3. ADDITIONAL FEES <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for examination</td><td></td></tr> <tr><td>112</td><td>920</td><td>112</td><td>920</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840</td><td>113</td><td>1,840</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for response within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>218</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclos. Stmt.</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR 1.29(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for examination		112	920	112	920	Requesting publication of SIR prior to Examiner action		113	1,840	113	1,840	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for response within first month		116	400	216	200	Extension for response within second month		117	920	217	460	Extension for response within third month		118	1,440	218	720	Extension for response within fourth month		128	1,960	228	980	Extension for response within fifth month		119	320	218	160	Notice of Appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive unavoidably abandoned application		141	1,280	241	640	Petition to revive unintentionally abandoned application		142	1,280	242	640	Utility issue fee (or reissue)		143	460	243	230	Design issue fee		144	620	244	310	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	180	126	180	Submission of Information Disclos. Stmt.		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	740	246	370	Filing a submission after final rejection (37 CFR 1.29(a))		149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))		179	740	279	370	Request for continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application	
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																												
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																											
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																											
139	130	139	130	Non-English specification																																																																																																																																																																											
147	2,520	147	2,520	For filing a request for examination																																																																																																																																																																											
112	920	112	920	Requesting publication of SIR prior to Examiner action																																																																																																																																																																											
113	1,840	113	1,840	Requesting publication of SIR after Examiner action																																																																																																																																																																											
115	110	215	55	Extension for response within first month																																																																																																																																																																											
116	400	216	200	Extension for response within second month																																																																																																																																																																											
117	920	217	460	Extension for response within third month																																																																																																																																																																											
118	1,440	218	720	Extension for response within fourth month																																																																																																																																																																											
128	1,960	228	980	Extension for response within fifth month																																																																																																																																																																											
119	320	218	160	Notice of Appeal																																																																																																																																																																											
120	320	220	160	Filing a brief in support of an appeal																																																																																																																																																																											
121	280	221	140	Request for oral hearing																																																																																																																																																																											
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																											
140	110	240	55	Petition to revive unavoidably abandoned application																																																																																																																																																																											
141	1,280	241	640	Petition to revive unintentionally abandoned application																																																																																																																																																																											
142	1,280	242	640	Utility issue fee (or reissue)																																																																																																																																																																											
143	460	243	230	Design issue fee																																																																																																																																																																											
144	620	244	310	Plant issue fee																																																																																																																																																																											
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																											
123	50	123	50	Petitions related to provisional applications																																																																																																																																																																											
126	180	126	180	Submission of Information Disclos. Stmt.																																																																																																																																																																											
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																											
146	740	246	370	Filing a submission after final rejection (37 CFR 1.29(a))																																																																																																																																																																											
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																											
179	740	279	370	Request for continued Examination (RCE)																																																																																																																																																																											
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																											
2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																															
FEE CALCULATION (fees effective 10/01/96)																																																																																																																																																																															
1. FILING FEE <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td>\$740.00</td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee	\$740.00	106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee																																																																																																																																													
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																												
101	740	201	370	Utility filing fee	\$740.00																																																																																																																																																																										
106	330	206	165	Design filing fee																																																																																																																																																																											
107	510	207	255	Plant filing fee																																																																																																																																																																											
108	740	208	370	Reissue filing fee																																																																																																																																																																											
114	160	214	80	Provisional filing fee																																																																																																																																																																											
SUBTOTAL (1) (\$ 740.00)																																																																																																																																																																															
2. CLAIMS <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total claims 90</td> <td>-</td> <td>20 =</td> <td>70 X \$18 = \$1260</td> </tr> <tr> <td>Independent Claims 4</td> <td>-</td> <td>3 =</td> <td>1 X \$84 = \$84</td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td>X</td> <td>=</td> </tr> </tbody> </table>			Extra	Fee from below	Fee Paid	Total claims 90	-	20 =	70 X \$18 = \$1260	Independent Claims 4	-	3 =	1 X \$84 = \$84	Multiple Dependent Claims		X	=																																																																																																																																																														
	Extra	Fee from below	Fee Paid																																																																																																																																																																												
Total claims 90	-	20 =	70 X \$18 = \$1260																																																																																																																																																																												
Independent Claims 4	-	3 =	1 X \$84 = \$84																																																																																																																																																																												
Multiple Dependent Claims		X	=																																																																																																																																																																												
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim</td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	84	202	42	Independent claims in excess of 3	104	280	204	140	Multiple dependent claim	109	84	209	42	Reissue independent claims over original patent	110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																		
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description																																																																																																																																																																													
103	18	203	9	Claims in excess of 20																																																																																																																																																																											
102	84	202	42	Independent claims in excess of 3																																																																																																																																																																											
104	280	204	140	Multiple dependent claim																																																																																																																																																																											
109	84	209	42	Reissue independent claims over original patent																																																																																																																																																																											
110	18	210	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																											
SUBTOTAL (2) (\$ 1,344.00)																																																																																																																																																																															
SUBMITTED BY		SUBTOTAL (3)																																																																																																																																																																													
Name (Print/Type) Michael E. Taken		* Reduced by Basic Filing Fee Paid																																																																																																																																																																													
Registration No. 28,120																																																																																																																																																																															
Telephone (414) 271-7590																																																																																																																																																																															
Signature <i>Michael E. Taken</i>		Date 2/12/02																																																																																																																																																																													

REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor		Z. Gerald Liu
	Title	Catalyst and Filter Combination	
	Atty. Docket Number		4695-00009

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

February 12, 2002

Date

Michael E. Taken

Signature

Michael E. Taken

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(b)(iii)).**